

MIT's  
Oldest and Largest  
Newspaper



**The Weather**  
Today: Mostly sunny, 80°F (27°C)  
Tonight: Partly cloudy  
and mild, 64°F (18°C)  
Tomorrow: Patchy fog early; mostly  
sunny in the afternoon, 80°F (27°C)  
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Volume 127, Number 44

Cambridge, Massachusetts 02139

Friday, October 5, 2007

# Institute Tests New Alert System

By Joyce Kwan  
NEWS EDITOR

The MIT Security and Emergency Management Office initiated a campus-wide emergency test drill in late August that consisted of sending messages via phone, e-mail, and text messaging to members of the MIT community. The office, which was launched on July 1, 2007, serves as a resource center for security-related issues. Approximately 26,000 e-mail messages were sent in under five minutes.

Thomas W. Komola of the MIT Police said the implementation of the drill was "excellent." In case of an emergency, the new system would allow people to react to reality rather than word of mouth, he said.

David M. Barber, emergency response specialist and member of the Security Office's three-person staff, said he is confident in the drill's ability to "push out information in a very short time period" were an emergency to occur. On the day of the Sept. 11 attacks, e-mail messages reached the entire MIT community after several hours, compared to the five minutes it took during the August test, Barber said.

The size of the MIT community ranges from 25,000 to 27,000 depending on the time period and definition of the community, Barber said. He defined the MIT community to include students, employees, staff, faculty, visiting researchers, visiting professors, contractors, and service vendors among others.

The security office is working on refining the database that holds the contact information of members of the MIT community, Barber said. The August drill showed that there are certainly gaps in the system. Regardless, communication by word of mouth will be necessary to some degree, he said.

As a result of the Virginia Tech shootings in April, many colleges across the country are implementing emergency-alert systems of various types. As reported in the *Chronicle of Higher Education*, two schools, facing violence during the past two weeks, successfully used their systems. At Delaware State University, resident advisers knocked on the doors of dormitory rooms during the night after two students were shot and wounded. At the University of Maryland at College Park, community members received a warning on their cell phones about a violent carjacking near a student dormitory.

Aside from the test drill, MIT's new emergency system has not been used.

In addition to the test messages,

**Emergency, Page 11**

# 'Egg' Nobel Awards Play Chicken Last Night

By Yiwei Zhang

Researchers, Nobel laureates, students, and curious people alike gathered Thursday evening to celebrate the Seventeenth "1st Annual Ig Nobel Prize Ceremony" held in the Sanders Theatre at Harvard University. Created to honor 10 achievements each year that "first make people LAUGH, and then make them THINK," the ceremony was complete with hysterical antics, odd science demonstrations, a chicken theme, and, of course, improbable research.

Mayu Yamamoto from Japan won the Ig Nobel prize in chemistry for her development of a novel way to extract vanillin, the main component in vanilla bean extract, from cow dung. In tribute to Yamamoto's achievement, Toscani's imitated her achievement and distributed samples of the resulting ice cream to Nobel laureates seated on the stage. Loud chants of "Eat it! Eat it!" from the audience finally persuaded the skeptical Nobel laureates to try a taste of their samples. For those brave and adventurous enough, Toscani's is offering a free tasting of the ice cream today at 11 a.m. at their Central Square Location.

The prize in medicine was awarded to Brian Witcombe from the United Kingdom and Dan Meyer from



AARON SAMPSON—THE TECH

**Ig Nobel and Nobel Prize winners take the stage together at the close of the Seventeenth 1st Annual Ig Nobel Prize Ceremony in Harvard's Sanders Theatre on Thursday night.**

the United States for their study on the "Side Effects of Sword Swallowing," described by Witcombe as the meeting of a researcher on swallowing disorders and the world's greatest sword swallower. Meyer gave a nerve-racking live demonstration of his infamous sword-swallowing abilities following their acceptance speech.

The Wright Lab of the U.S. Air Force received the peace prize for their "make love not war" research and development of a "Gay bomb" designed to make enemy soldiers sexually irresistible to each other. Also with love on their minds, Patricia V. Agostino, Santiago A. Plano, and Diego A. Golombek from Argentina received the prize in aviation

for their discovery that Viagra aids jet lag recovery in hamsters.

Johanna E.M.H. van Bronswijk succeeded in making various audience members squirm with her biology prize-winning census on mites, spiders, insects, psuedoscorpions, crustaceans, bacteria, algae, ferns,

**Ig Nobel, Page 10**

# Hockfield, Officials Discuss State of MIT

By Benjamin P. Gleitzman  
STAFF REPORTER

President Susan Hockfield, along with top MIT officials, presented optimistic remarks to a crowd of about 300 at Tuesday's State of the Institute forum in Kresge Auditorium, ending a three year hiatus for the event. Also speaking at the forum were Provost L. Rafael Reif, Chancellor Phillip L. Clay PhD '75, and Executive Vice President and Treasurer Theresa M. Stone.

"The state of the Institute is very, very strong," Hockfield said in her opening remarks. While the MIT

Energy Initiative, diversity, and task force recommendations were among the more familiar topics discussed at the forum, the Campaign for Students, global initiatives, and preserving tradition also received considerable coverage.

MIT received over 14,000 undergraduate applications last year, Hockfield said. Of the 12.3 percent admitted, 69 percent of students accepted the offer to become a member of the largest freshman class ever at MIT. Hockfield praised the Institute's strong draw from young people and outlined efforts to ensure that MIT remains a

magnet for talent, including focusing on recruitment of female, international, and minority students.

"We are committed to admitting the best students," regardless of financial background, Clay said.

Clay talked about the Campaign for Students, a fundraising campaign to begin in 2008, which will address specific deficiencies in the financial aid process and augment the Institute's ability to provide need-blind admissions. The campaign will also provide fellowship support for graduate stu-

**Institute, Page 11**



MARTIN SEGADO—THE TECH

**President Susan Hockfield speaks at the State of the Institute forum in Kresge Auditorium on the morning of Oct. 2, 2007.**

# Lawmakers Consider Bill on Costs Of Textbooks

By April Simpson  
THE BOSTON GLOBE

A month into the fall semester, Nathassia Torchon has already had two tests in her precalculus class and is approaching her first history exam. But the Massachusetts Bay Community College student said she could not afford the \$330 price tag for two of the required textbooks until this week.

"They always tell you 20 hours is good enough to work and go to school full time," said Torchon, 21, of Mattapan. "I have to work three jobs to pay for two books."

Torchon was one of dozens of students who attended a Joint Committee on Higher Education hearing yester-

**Textbooks, Page 11**

## In Short

¶ **Students must take full responsibility** for their actions, Chancellor Phil Clay said in an e-mail to MIT students Monday, even while celebrating traditions such as hacking. Clay's e-mail also said that students should avoid academic dishonesty and illegal downloading. Dean for Student Life Larry Benedict, in an e-mail to students yesterday, repeated that sharing copyrighted material without authorization is illegal. RIAA's latest round of "pre-litigation letters" targetted 30 MIT IP addresses.

¶ **A female student reported** to the police that she was followed by a male in a vehicle on Friday. The suspect, captured Tuesday, was identified as Joseph D. Sullivan, a registered Level 3 Sex Offender.

Because of the Columbus Day holiday, *The Tech* will not publish on Tuesday, Oct. 9. Regular publication will resume next Friday, Oct. 12.

## NEWS

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# WORLD & NATION

## Craig Says He Will Stay in Senate, Though Bid to Alter Plea Is Denied

By Carl Hulse

THE NEW YORK TIMES

WASHINGTON

Sen. Larry E. Craig of Idaho, defying the wishes of many in his own Republican Party, said Thursday that he would remain in the Senate through next year despite a court ruling against him in Minnesota, where he sought to rescind his guilty plea stemming from an undercover sex sting.

Shortly after a judge denied his request to withdraw the August plea admitting to disorderly conduct, Craig said he had reversed his previously announced decision to leave the Senate if he could not get the plea thrown out, and would instead serve out his third term, which expires at the end of 2008. He said he would not run for a fourth.

"When my term has expired, I will retire and not seek re-election," said Craig, who was accused of soliciting sex from an undercover police officer in the bathroom of the Minneapolis-St. Paul airport in early June. "I hope this provides the certainty Idaho needs and deserves."

His decision was a major disappointment to Republican leaders, who had hoped Craig would make good on his initial pledge and spare them from the potential political liability of having a senior lawmaker who has become a punch line.

## In Plea, Track Star Will Admit to Using Steroids, Lawyers Say

By Duff Wilson

and Michael S. Schmidt

THE NEW YORK TIMES

The former track star Marion Jones, one of the most accomplished female athletes in the world, is expected to plead guilty Friday to lying to federal agents about her use of performance-enhancing drugs, two lawyers connected with the case said Thursday. The admission would end years of denial and would likely lead to her being stripped of the record five medals she won in the 2000 Olympics in Sydney, Australia.

Jones, 31, who won a record five medals in 2000, including three golds, would become the first athlete convicted in the cases arising out of the four-year Bay Area Laboratory Co-operative investigation that has fueled a continuing series of steroid scandals in sports. Five men who manufactured, marketed or supplied the drugs to athletes have pleaded guilty, and some have served time in prison.

Jones is expected to plead guilty to one count of making false statements to federal agents about her use of performance-enhancing drugs and one count of making false statements to federal agents in connection with a separate check fraud case, the lawyers said.

## European Central Bank Holds Rates Steady

By Carter Dougherty

THE NEW YORK TIMES

VIENNA, AUSTRIA

The European Central Bank stuck by its upbeat view of the region's economy on Thursday, leaving interest rates steady and indicating that more time was needed to assess the fallout of the credit squeeze that has roiled financial markets for months.

The president of the bank, Jean-Claude Trichet, also declined to utter a word that might influence currency markets and hinted that a similar stance would be appropriate for politicians who have been calling for action to curb the rising euro.

"The exchange rate is a very important question that calls for verbal discipline," Trichet said at a news conference in Vienna after one of the two meetings the bank holds each year away from its headquarters in Frankfurt, Germany.

The central bank kept its main interest rate at 4 percent. In response, the euro barely budged, hovering around \$1.41, just shy of the record level hit this week.

# Bill Passed: U.S. Contractors In Iraq to Be Under U.S. Law

By David M. Herszenhorn

THE NEW YORK TIMES

WASHINGTON

With the armed security force Blackwater USA and other private contractors in Iraq facing tighter scrutiny, the House of Representatives on Thursday overwhelmingly approved a bill that would bring all U.S. government contractors in the Iraq war zone under the jurisdiction of U.S. criminal law. The measure would require the FBI to investigate any allegations of wrongdoing.

The bill was approved by a 389-30 vote, despite strong opposition from the White House. It came as lawmakers and human rights groups are using a Sept. 16 shooting by Blackwater personnel in Baghdad to highlight the many contractors operating in Iraq who have apparently been unaccountable to U.S. military or civilian laws and outside the reach of the Iraqi judicial system.

The State Department, which had been leading the investigation into the shooting, said Thursday that a team of FBI agents sent to Baghdad in recent days had taken over the inquiry. No charges have been

filed in the case, and Justice Department officials have said it was unclear whether U.S. law would apply. Even if enacted, the House bill would have no retroactive authority over past conduct by Blackwater or other contractors.

Shortly after the occupation of Iraq in 2003, the U.S. administrator, L. Paul Bremer, issued a decree granting immunity to U.S. military and civilian personnel from prosecution for crimes in Iraqi courts.

The House bill, sponsored by Rep. David E. Price, D-N.C., expands a law that in 2000 brought defense contractors working with U.S. troops overseas under jurisdiction of U.S. criminal law. That law has rarely been used and might not apply to firms like Blackwater, which was hired by the State Department to guard diplomats and could argue that its work is not tied directly to war operations.

But Republican critics, who said they supported the overall goal of increasing accountability for contractors, said there were weaknesses in the legislation, including imprecise descriptions about the locations where the law would apply. They

also said the FBI was not equipped to conduct numerous investigations overseas and that the effort would prove costly.

Price has been working on the contractor issue for about three years and first introduced his bill in January. A similar measure was submitted in the Senate by Sen. Barack Obama, D-Ill. On Thursday, Obama introduced an updated version.

The FBI maintains a sizable office in Iraq, staffed by dozens of special agents and other investigators, many of them specialists in counterterrorism. But law enforcement officials said the Blackwater inquiry would be left to the visiting agents.

The officials said the FBI had received no specific accusations of criminality from the State Department in opening the Blackwater investigation, which is expected to focus on Blackwater operatives who are accused of involvement in the deaths of Iraqi civilians or other violent acts. But even if the agents determine that crimes took place, it could prove extremely difficult to prosecute the accused under U.S. civilian or military laws.

# South Africa Closes Mine That Trapped 3,200 Below Ground

By Michael Wines

THE NEW YORK TIMES

JOHANNESBURG, SOUTH AFRICA

One day after a freak accident stranded 3,200 gold miners more than a mile underground, South African officials said Thursday that they had closed the huge Elandsrand mine for up to six weeks to determine the cause of the mishap.

The mine's owner, Harmony Gold, had lifted all of the miners to safety by about 9 p.m. Thursday, the Associated Press reported, using an undamaged auxiliary elevator in a ventilation shaft. One miner fell while awaiting rescue and was carried out on a stretcher, but no one else had been injured, a Harmony spokeswoman, Amelia Soares, said in an interview.

Rescuers had said that they would free the remaining miners by midday, but that deadline passed

with hundreds still underground, and it appeared unlikely that the last workers would reach the surface until late Thursday.

The thousands of miners, including hundreds of women, were trapped more than a mile underground about 10 a.m. local time Wednesday when a 50-foot section of compressed-air pipe and its concrete base broke loose and fell down the mine's main shaft. The pipe severely damaged the shaft's steel frame and cut power cables to the main working area.

Harmony did not announce the accident until Wednesday evening, about 10 hours after it occurred, a second spokeswoman, Lizelle du Toit, said in an interview. She said the company had held back word of the accident because it originally believed that the workers would be quickly brought out.

The Elandsrand mine, about 40 miles southwest of Johannesburg, is like many aging mines on South Africa's Witwatersrand, the biggest and most heavily mined gold deposit on earth. Gold production had dwindled sharply when Harmony bought it in 2001 and began digging a new mine beneath the old one. Harmony has said that it is investing about \$90 million in mine improvements to tap the nearly 7 million ounces of gold that are known to exist.

South Africa's minerals and energy department closed the mine after the National Union of Metalworkers of South Africa, the miners' labor union, charged that the accident was the result of poor safety standards and Harmony's practice of operating the mine around the clock. "We suspect negligence," the union president, Senzeni Zokwana, told reporters on Thursday.

# WEATHER

## Unseasonably Warm Weather Continues

By Angela Zalucha

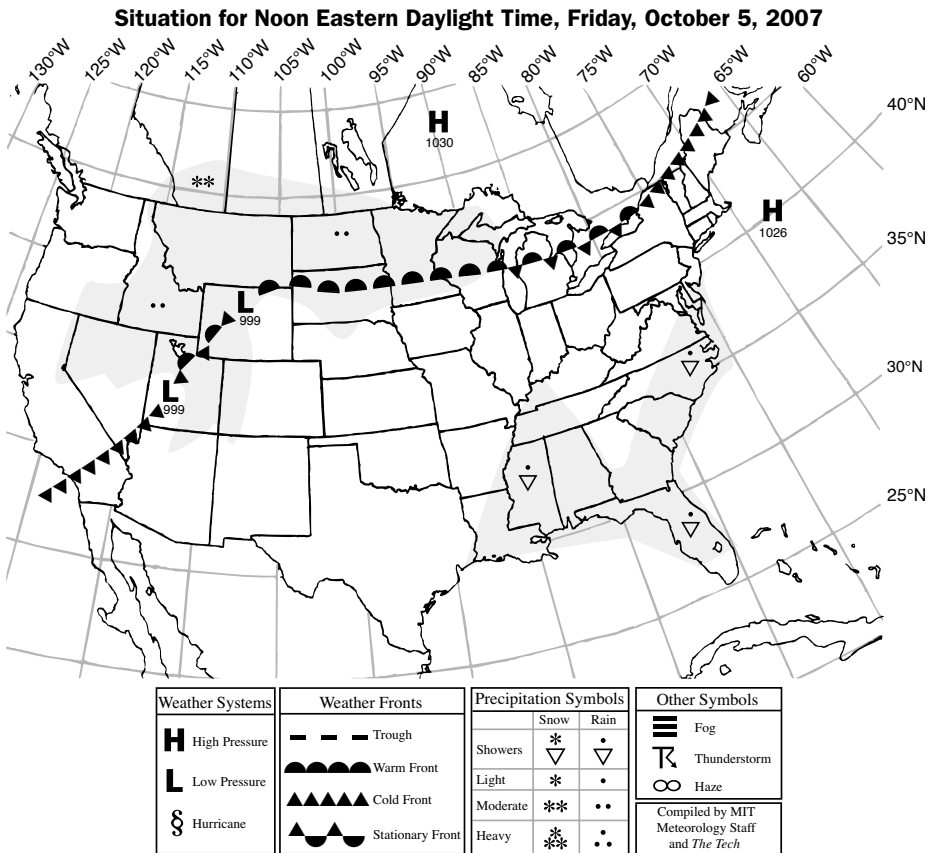
STAFF METEOROLOGIST

Boston continues to be treated to unseasonably warm autumn temperatures. In fact, yesterday's high temperature of 86°F (30°C) at Logan Airport (where official weather measurements for Boston are taken) exceeded the previous record high of 85°F (29°C) set in 1983. The average high temperature for the first week of October is 66°F (19°C). Our warm trend will continue with pleasantly warm temperatures Friday and Saturday. A weak cold front will move through the region on Saturday night, bringing cooler temperatures and a slight chance of showers. No heavy rain is expected at least through the beginning of next week. In terms of precipitation, Boston has been on the dry side the past month, with September seeing only half of its normally measured rainfall.

Few leaves have yet to change color in our area, but parts of far northern New England are seeing peak foliage conditions. Moderate colors are showing up in northern locations as little as two hours away by car. With relatively mild temperatures expected even to our north, this weekend is ideal for autumn activities.

### Extended Forecast

**Today:** Mostly sunny. Unseasonably warm and humid. High 80°F (27°C).  
**Tonight:** Partly cloudy and unseasonably mild. Muggy with patchy fog late. Low 64°F (18°C).  
**Tomorrow:** Patchy fog early. Mostly sunny in the afternoon, but becoming mostly cloudy by evening. High 80°F (27°C).  
**Tomorrow night:** Cloudy with a slight chance for a shower. Low 58°F (14°C).  
**Sunday:** Cloudy with a slight chance for a shower. Cooler and less humid. High 68°F (20°C).



# Musharraf-Bhutto Deal Struck In Pakistan as Elections Loom

**By Carlotta Gall**  
*THE NEW YORK TIMES*

ISLAMABAD, PAKISTAN

The government of Gen. Pervez Musharraf announced Thursday an accord that includes amnesty for the opposition leader and former prime minister, Benazir Bhutto, clearing the way for the general to run for re-election as president on Saturday and for Bhutto to return to Pakistan for parliamentary elections at the end of the year.

The agreement has been approved by the Cabinet and awaits Musharraf's signature, which is expected. It also permits negotiations on a broader power-sharing pact with Bhutto.

The amnesty would cover all politicians, bankers and bureaucrats charged with corruption offenses in

1988 through 1999. It was a central demand of Bhutto, who plans to return to Pakistan on Oct. 18 to run for prime minister. She left Pakistan in 1999 for self-imposed exile in London to escape corruption charges that she contends were politically motivated.

As the presidential election neared, she accused Musharraf of stalling, and warned that her Pakistan Peoples Party would join an opposition boycott of the vote if the agreement were not signed.

But on Thursday night, Bhutto agreed to the final version of the accord, said Farooq Naik, a senator and senior lawyer from her party who had seen it.

The agreement was reached at nearly the last moment. Musharraf, who has faced opposition in his rul-

ing party over the measure, has only one day left until the election. The Supreme Court is hearing petitions challenging his eligibility to run and is expected to rule Friday.

The amnesty is part of a broader reconciliation package that includes measures to help ensure free elections and to discourage politically motivated corruption charges, all with the aim of establishing a new era of democracy, Musharraf, said Thursday night in an interview with Dawn News, an English-language television channel.

Despite his many past criticisms of Bhutto over allegations of corruption, he said, none of the cases against her had been proved, and, as the leader of a popular political party, she had a role to play in the return to democracy.

# Congressional Debate Erupts Over Interrogation Techniques of CIA

**By David Johnston and Scott Shane**  
*THE NEW YORK TIMES*

WASHINGTON

The disclosure of secret Justice Department legal opinions on interrogation on Thursday set off a bitter round of debate over the treatment of suspected terrorists in American custody and whether Congress has been adequately informed of administration legal policies.

Democrats on Capitol Hill demanded to see the classified legal memorandums, disclosed by *The New York Times* on Thursday, that gave the CIA expansive approval in 2005 for harsh interrogation techniques.

Sen. Jay Rockefeller, D-W.Va.,

chairman of the Senate Intelligence Committee, wrote to Acting Attorney General Peter D. Keisler asking for copies of all opinions on interrogation since 2004.

"I find it unfathomable that the committee tasked with oversight of the CIA's detention and interrogation program would be provided more information by *The New York Times* than by the Department of Justice," Rockefeller wrote.

The ranking Republican on the panel, Sen. Christopher S. Bond of Missouri, said in a statement Thursday night that the committee had been briefed on the administration's "legal justifications" for interrogation.

Bond said he understood that the

administration did not want to turn over the opinions themselves because they had confidential legal advice.

Administration officials confirmed the existence of the classified opinions but said they did not condone torture. The White House press secretary, Dana Perino, said she could not discuss CIA methods but added, "What I can tell is that any procedures that they use are tough, safe, necessary and lawful."

One 2005 opinion gave the Justice Department's most authoritative legal approval to the harshest agency techniques, including head slapping, exposure to cold and simulated drowning, even when used in combination.

**Boston Firefighters Killed in Fire Said to Have Had Drugs in System**

**By Katie Zezima**  
*THE NEW YORK TIMES*

BOSTON

Autopsies on two Boston firefighters who were killed while battling a restaurant blaze in August revealed that one had a blood alcohol content more than three times the legal limit and the other had cocaine in his system, news media outlets here reported Thursday.

The Boston Globe and The Boston Herald reported that autopsies showed that one of the firefighters, Paul Cahill, had a blood alcohol content of 0.27 and that the other, Warren Payne, had traces of cocaine in his system. The legal blood alcohol limit in Massachusetts is 0.08.

Autopsy results are not public records in Massachusetts.

Responding to the reports, Mayor Thomas M. Menino on Thursday called for an independent review of fire department procedures regarding drug and alcohol use.

"The scope of the investigation or review is still to be determined, but it will certainly focus on the issues surrounding this case," said Dot Joyce, a spokeswoman for Menino, who said the mayor had not seen the autopsy reports. "He wants to reassure the public that the Boston Fire Department is strong and competent, and with all the information in the public right now, he believes this is the appropriate action at this time."

**Record Labels Win Suit Against Song File Sharer**

**By Jeff Leeds**  
*THE NEW YORK TIMES*

In a crucial legal victory for record labels and other copyright owners, a federal jury on Thursday found a Minnesota woman liable for copyright infringement for sharing music online and imposed a penalty of \$222,000 in damages.


The verdict against Jammie Thomas, a mother of two from Brainerd, Minn., brought an end to the first jury trial in the music industry's protracted effort to rein in piracy with lawsuits against individual computer users. Since 2003, record labels have brought legal action against about 30,000 people, accusing them of trafficking in copyrighted songs.

Many of the people sued in such cases settle out of court for, on average, about \$4,000, according to the industry's trade association. Thomas chose to face trial instead, saying that she did not share files on the Kazaa network as the labels contended. She and her lawyer declined to comment after leaving the courthouse.

The jury verdict, which called for \$9,250 in damages for each of the 24 songs involved in the trial, came after brief deliberations.

Earlier, the judge in the case, Michael J. Davis of U.S. District Court, ruled in the industry's favor on a hotly contested technical question, saying that the labels did not have to prove that songs on Thomas' computer had actually been transmitted to others online in order for jurors to find her liable.

# JOIN THE TEAM THAT MANAGES MIT'S \$14 BILLION IN ASSETS



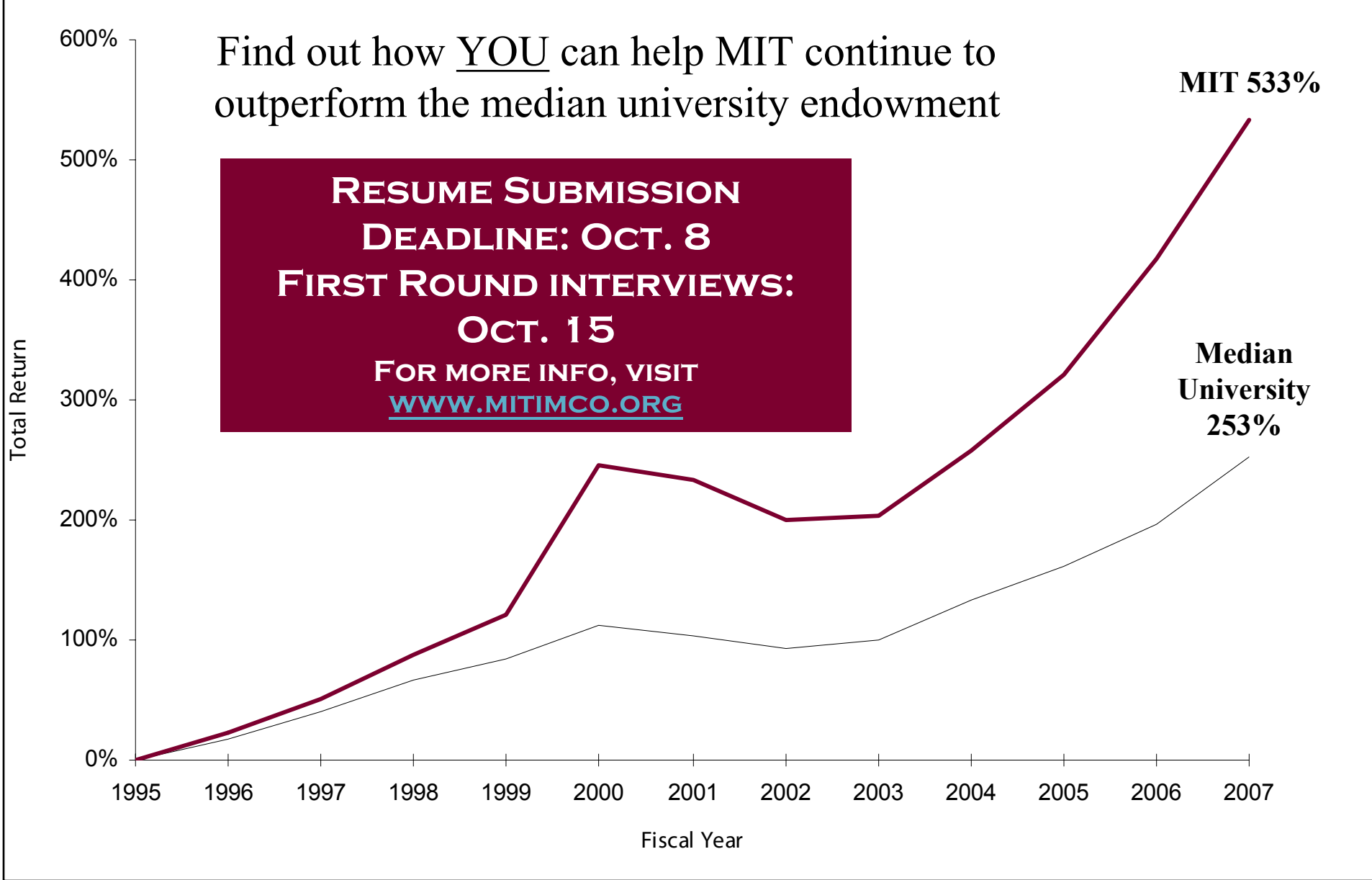
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RESUME SUBMISSION DEADLINE: OCT. 8

FIRST ROUND INTERVIEWS: OCT. 15

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Fiscal Year	MIT Total Return (%)	Median University Total Return (%)
1995	0	0
1996	~20	~10
1997	~50	~30
1998	~80	~50
1999	~120	~70
2000	~240	~110
2001	~230	~100
2002	~200	~90
2003	~200	~100
2004	~260	~130
2005	~320	~160
2006	~420	~200
2007	533	253

OPINION



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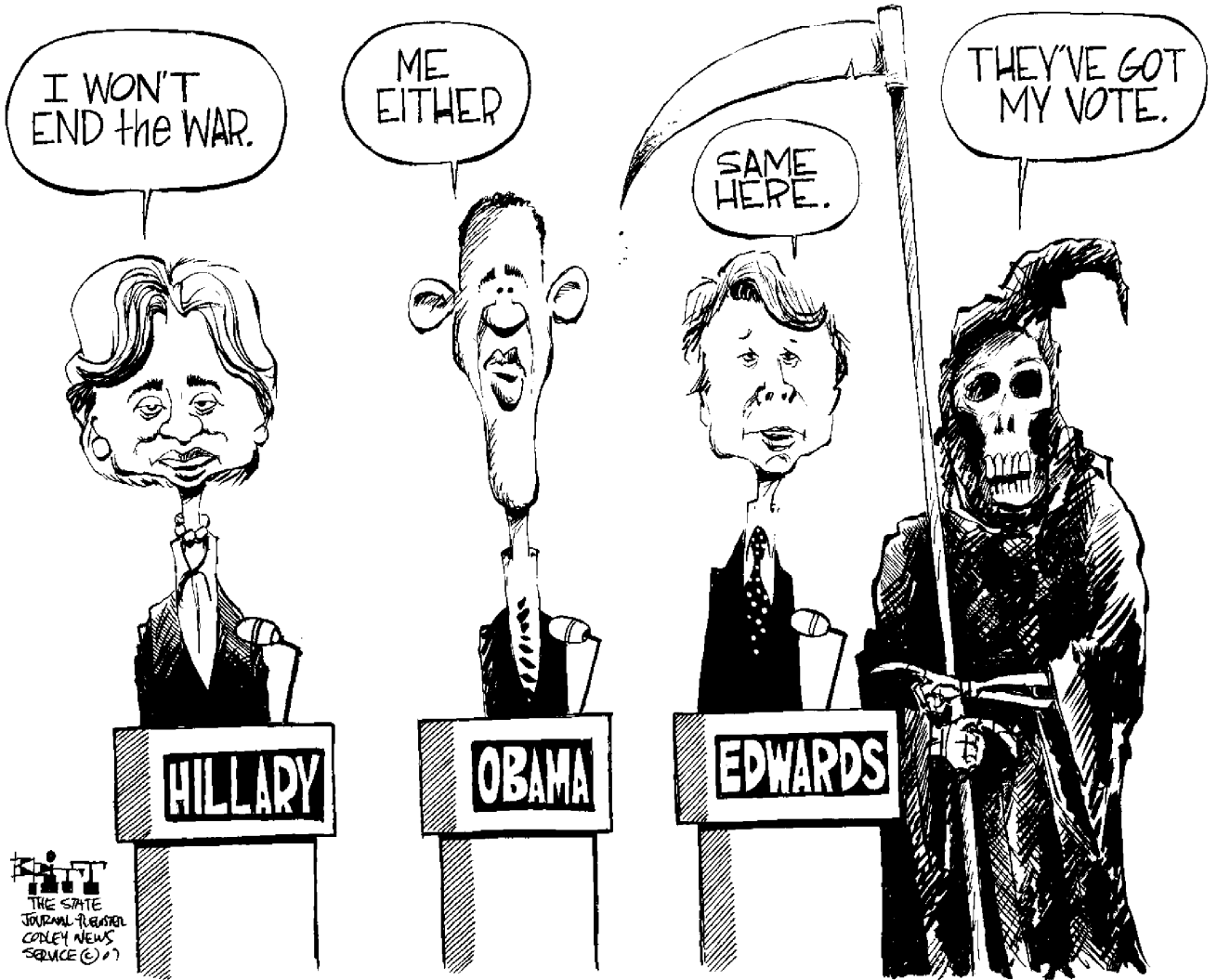
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## ARTS

## RESTAURANT REVIEW

## Mmmm ... Sandwiches

## All Star Sandwich Bar Hits a Home Run

By Jillian A. Berry

ARTS EDITOR

All Star Sandwich Bar  
1245 Cambridge Street  
Cambridge, Mass. 02139  
(617) 868-3065

<http://www.allstarsandwichbar.com/>

Inman Square is about a mile from MIT and home to an eclectic mix of shops and restaurants, including the appropriately named All Star Sandwich Bar. This small restaurant on the corner of Cambridge St. and Prospect St. is crammed with tables, and when I went on a Saturday at noon, those tables were filled with a variety of people. From pajama-clad college students to a distinguished older man, everyone loves sandwiches.

The All Star Sandwich Bar is just that, a sandwich bar. While the eatery has side dishes, salads, and soups, it has very strict sandwich rules. Do not expect any wraps (they are not sandwiches), though you can get a hot dog (they are sandwiches, or at least first cousins).

To start with, our group shared a bowl of the Texas state pen chili (\$5) topped with sour

cream, jack cheese, lime, and cilantro, with a side of cornbread. With pulled beef and a thin broth, the large bowl of chili was more of a soup or stew than a traditional chili. While the beef was tender, the soup was incredibly spicy. Although flavorful, I had difficulty eating the chili without some sour cream or cheese in every bite, and the three people in our group could not finish the entire bowl — the dish could easily be a meal. Furthermore, the mild cornbread, which is normally a nice balance to spicy chili, was mealy and dry, falling apart at any touch. Other than dipping it in the chili on a spoon, it was not effective as either a side or a “de-spicing” agent.

Luckily, the sandwiches were a little easier on the stomach (and the heartburn) than the chili. One of the great things about All Star is their rotating sandwich schedule. Though many sandwiches are on the regular menu, there are

a few special sandwiches every day to keep things interesting. The North Carolina Pulled Pork (\$6.50) is one such sandwich. The tender meat is smothered in a North Carolina barbecue sauce, which has more vinegar and is less viscous than more traditional barbecue sauces. This tangy meat is then pleasantly juxtaposed

by a pile of coleslaw on a warm role.

The “Beef on Weck” from Buffalo, N.Y. (\$8.95) is All Star’s version of a roast beef sandwich with au jus and extra hot horseradish on a Kimmelweck bun. The piled-high beef is thin and tender with an added kick

from the horseradish.

Even if you’re a vegetarian, All Star has options. The veggie Cuban (\$7) consists of grilled eggplant, zucchini, summer squash, peppers, mushrooms, and red onions with mango mojo mayo dressing, dill pickle, mustard, and Swiss cheese pressed on French bread. All of the

*While the eatery has side dishes, salads, and soups, it has very strict sandwich rules. Do not expect any wraps, though you can get a hot dog.*

## MUSEUM REVIEW

## Shoe Mania Hits Museum of Fine Arts

## Viewers Follow Footsteps Through History

By Marie Y. Thibault

STAFF WRITER

Walk This Way

Museum of Fine Arts, Boston

Sept. 27, 2007 – March 23, 2008

If you’ve been avoiding any of Boston’s museums because you can’t tell a Renaissance painting from a Post-Impressionist, your excuse has just been smashed. “Walk This Way,” one of the Museum of Fine Art’s latest exhibits, is a parade of shoes, some new and some old. Everyone can understand shoes — we wear them, don’t we?

That doesn’t mean this show will be old news to viewers. You won’t find your ratty flip-flops here. The variety of footwear is simply stunning. A miniature pair of doll boots will entice museum-goers to step closer to the glass to examine the rich detail. These miniature pieces of art are an unexpected deviance in the parade of shoes and part of what makes this exhibit so much fun. Viewers will leave with an expanded definition of the shoe.

“Walk This Way” shows that artwork is more than just sculptures and paintings. You may not think of your Nikes as art, but once you’ve seen Daisuke (Dice-K) Matsuzaka’s Nike baseball cleats behind glass, you’ll think differently. The obvious design that goes into the specially-made shoes — constructed to protect his right toe — highlight the craftsmanship of shoe-making. This realization probably would have been common knowledge a couple centuries ago, but in today’s age of cookie-cutter shoes, the idea of shoes as art is an original one.

If you’re not particularly crazy about shoes, there’s still another reason to see “Walk This Way.” A history lesson is waiting for you. Even if you don’t care about the history of shoes,

you’ll find that shoes have been important to people for thousands of years. That means the story of shoes is the story of human beings. Ingeniously, each shoe is placed near artwork that reflects the time period or design of the shoe.

Some of the other shoes deserve to be called sculptures in their own right. A pink silk velvet and gold metallic lace Venetian chopine will leave viewers ogling both its intricate detail and towering height. Gorgeous, yes. Functional? I’m not too sure. A scarlet Miu Miu platform wedge has a brilliant gold carved heel that is surrounded by artifacts embellished with the same gilt gold and is placed in a room bordered with Versailles-like paneling.

In some cases, the shoes are seen in work from the same era. A pair of men’s English leather boots is near the painting “Lute Player,” which shows a man wearing similar footwear. But there are some less direct juxtapositions. Dice-K’s cleats and Kevin Garnett’s Adidas basketball shoes can be found in the Early Greek Art room, along with a vase that shows Greek athletes running without shoes.

Maybe the idea of seeing shoes in their proper historical context isn’t enough to interest you, but this exhibit is such pure, simple fun, too! To see all the shoes, you have to follow a map through many of the MFA’s galleries. It’s the perfect way to take a quick tour of the museum. And, if the idea of hunting for shoes doesn’t entertain you, you’re just a lost cause.

Watch out for some well-known, cult-inducing pieces, like Manolo Blahniks and Marc Jacobs, but I would recommend spending the most time on the little gems, like a shoemaker’s sample shoe. These strange shoes have a heel in the front and the back, so that the wearer



MUSEUM OF FINE ARTS

This Venetian chopine, a woman’s shoe with a very high sole, is part of the Walk This Way exhibit at the Museum of Fine Arts, Boston, which runs through March 23, 2008.

is walking on something like a platform. The carefully punched leather, with silk tassels and various other little adornments, will convince you, too, that shoe-making is a craft.

This exhibit’s main message is that even

grilled veggies are fresh and flavorful, and they are complemented, though not overwhelmed, by the mustard, Swiss cheese, and pickles.

All of the sandwiches come with a small side of coleslaw and a pickle, but if you want fries or another side, you’ll have to order it separately. Our table ordered a pile of fries (\$3.75) to share. While you can order fries with one of many toppings, including cheese and gravy, we opted for the traditional plain. The fries are thinly cut, crunchy, and surprisingly flavorful given their size. The only downside is the size of the order; when they say pile, they mean pile. The heaping plate is the only option for these little potato sticks, so unless you really like fries, or you’re have at least three people in your group, I’d stick with the accompanying coleslaw.

The All Star Sandwich Bar really is the place to go for a great sandwich. These large, freshly prepared sandwiches resemble nothing available on campus. So make the trek over to Inman Square for something a little different. And best of all, All Star has a jar of free Oreo cookies to finish off your delicious meal. As the restaurant says, “A good sandwich is like an old friend!”

though shoes seem to be such normal, everyday items, they can be considered works of great art and design. So maybe there is a glass case somewhere waiting for those Havananas. Who knows?

## CD REVIEW

## New Animal Collective Is a Sticky Mess

## Indie Band Can’t Gel Together Quality Material

By Andrew Lee

ARTS WRITER

Animal Collective

Strawberry Jam

Produced by Scott Colburn

Domino Records

At the end of “The Devil Wears Prada,” fictional fashion magazine editor Miranda Priestley deems her super assistant Andie Sachs “her greatest disappointment.” Taken out of context, that comment fails to convey that Miranda actually has great respect for Andie’s humanity and character. Through the course of the film, she proves herself to be an extraordinary assistant but not in the way Miranda initially hoped.

For the purposes of argument, let’s picture me as a moody, narcissistic, and arrogant Miranda-type. Well, maybe it’s too hard, so don’t bother. No matter, because all you really need

to gather from the “Prada” analogy is not so much how I’m like Miranda but that Animal Collective’s most recent album, *Strawberry Jam*, is my personal greatest disappointment.

In the past few years since Animal Collective released a pair of breakout albums, “Sung Tongs” and “Feels,” the band has built a rabid fan following that regularly burns up their message board (titled “Collected Animals”) at a pace to rival that of Radiohead’s own fan base. A Radiohead comparison is warranted, since both the aforementioned rock legends and Animal Collective operate on a creative level far above that their peers — although, since Animal Collective hasn’t been making music as long, their rookie fan base is much more easily rankled by obnoxious YouTube trolls who bait them with cries of “hipster fad” and “elitist garbage.”

While Animal Collective fans (myself included) will universally attest that the band is

the real deal, we cannot for the life of us agree which individual songs deserve praise and which are mediocre. I can’t comment on the state of the online community before *Strawberry Jam* was unceremoniously leaked this June (over two months before the official release date), but once it did, the deluge of responses was comically anarchic. A track like “Chores” from *Strawberry Jam* might garner proclamations from one fan as a life-changing experience, but it might get thrown under the bus like a rotten banana peel by another. Some couldn’t stand Avey Tare’s punctuated shouts on “For Reverend Green” while others found that they made the song. At least everyone seems to like “Peacebone.”

Is it the band’s fault if Animal Collective’s fans make hyper-subjective judgments of their songs? Certainly not, but I believe a band has a responsibility to bring those songs together in an artful way that brings out the best in each of

them. That’s how albums — literal collections of songs — become Albums — decisive and cohesive works of art. It’s that elusive magic that makes *The White Album* decisively worth five stars despite containing head-scratchers like “Wild Honey Pie” and “Piggies.” *The White Album* is the quintessential Album. Unfortunately, *Strawberry Jam* is not remotely an Album.

While it may not be an Album, *Strawberry Jam* is absolutely filled to the brim with originality. The electronic squeaks that kick off album-opener “Peacebone” sound like a beehive being rattled into a frenzy, but the chaos is only surface-deep as Animal Collective delivers one of their most twistedly catchy songs right out of the gate. Avey Tare’s blissful falsetto in the chorus is so inspired that it almost seems unfair for him to possess that much vocal talent. Ditto for

## BREWERY REVIEW

# A Beer to Save America

## Sam Adams Brewery Tour Is Pleasantly Predictable

By Charles Lin  
STAFF WRITER

Sam Adams Brewery Tour  
30 Germania St.  
Jamaica Plain, Mass. 02130  
(617) 522-9080

Freshly made beer, mechanical contraptions, and hyperbole are three of my favorite things. On a sunny afternoon, you can find all of these things at a tour of the Sam Adams factory in Jamaica Plain. First off, logistics: it's actually really easy to get there. Just take the Orange Line down to Stony Brook and follow the signs that say "beer this way." Second, they only ask for a \$2 donation for the tour, and the money goes to local charities. Yes, you get to be a Good Samaritan and tour a beer factory on the same day. Lastly, don't go on Saturdays: it's crowded beyond belief. Oh, and make sure you're over 21.

As I alluded to before, the tour has a heavy emphasis on beer, mechanical contraptions, and hyperbole. If you watch all the videos and pay attention, you'll get to hear some great

statements of purpose: "We only use the most expensive ingredients," "Jim Koch had this revolutionary idea of making quality beer full of flavor with quality ingredients" (as opposed to the standard idea of making bad beer with cheap ingredients), and, best of all, "Jim Koch freed the American beer from foreign rule and established America's beer independence." Sam Adams (founded 1984) is clearly the beer of revolutionary freedom.

For added fun, I'd suggest taking a bingo card with all of Sam Adams' buzzwords, such as: best, revolt, finest, expensive, award, independence, and America.

As for the tour itself, there's just something so predictable about touring a brewery. It's a very comfortable experience. Everything makes sense and there are no surprises. It's not that hard to guess which part of the tour is next.

You go from the place where they talk about beer to the place where they make the beer to the place where you drink the beer. Along the way, you learn about the history of beer, the making of beer, and the drinking of beer. Sometimes simplicity like that is just warm and

wonderful. Or maybe it's just the beer.

All the people you meet are the exact people you'd expect to find at a brewery. The tour guides look just like Bros five years removed from college who have the sweetest job in the world. The brew master is that manly mountain

guy with the big burly beard they show in all the commercials. And that's just perfect. If you lined up five guys on a street and which one of these guys brews beer for a living, all fingers would point right at him. It's just so satisfying to watch someone who looks like they were put on this earth to do their job actually doing their

*There's just something so predictable about touring a brewery. It's a very comfortable experience. Everything makes sense and there are no surprises.*

## CONCERT REVIEW

# Esbjörn in the U.S.

## Trio Totally Transcends

By S. Balaji Mani

E.S.T.  
Scullers Jazz Club  
Sept. 26, 2007

I'm already late for the first set. Facing the whitewashed double doors of Scullers Jazz Club, I ease one open and slip inside.

Upright bass solo. I grab the nearest seat while Dan Berglund evokes the voice of a soft-spoken woman from his instrument. I'm sitting in the worst seat in the house — behind a large ceiling support pole (every club's got at least one). I can't see Dan, but I'm so absorbed already. Fast runs down the high strings are nestled in between long sustained notes down low. Seamlessly, he switches between his fingers and his bow, carefully selecting which intervals warrant the slight pluck of his index and thumb and which do not. Esbjörn Svensson (piano) and Magnus Oström (drums), the only two members of the band I can actually see, sit still and patiently as Berglund continues through his solo.

After another handful of measures, Oström emerges with polyrhythms ensconced within the sporadic bass notes. Svensson breaks his solemn pose with a jerk of the left hand. In one climatic sweep, the band comes together and navigates through the piece tightly. The song concludes in one large hit on the downbeat, and the crowd applauds immediately afterwards. Before Svensson stands up to banter with the audience, I run to an open seat near the front row, right in front of Oström's kit, and remain there through the end of the show.

"E.S.T. is not jazz. We're not bebop nor swing. We're inspired by rock and roll, classical, and jazz music. But then again what is jazz?" Svensson made his claim looking me straight in the eyes, sitting across from me at a round table twenty minutes after the crowd had dispersed. It was hard to get him to sit down, what with the whole audience lining up to shake his hand. One woman wouldn't let go of his grip, reiterating that "[his] music was transcendent." The members of E.S.T., whom all speak and understand English extremely well, in addition to their native Swedish tongue, smiled humbly and agreed to sign CDs.

I probed Svensson once again to reveal to me the meaning of genres in music. He was more

certain this time around: "If jazz is improvising, then yes, E.S.T. is jazz." True, E.S.T. may be difficult to classify — their instrumentation almost pigeon-holes them as a "jazz trio" — but their 2003 album *Seven Days of Falling* debuted on the Pop charts in three different European countries. Furthermore, just take a look at the demographic of a typical E.S.T. audience: jazz students, white-collar Monk fans, and electronica junkies.

It's E.S.T.'s expansive landscaping of the sonic space that has gained them such a fan base. Not only do they pay homage to the late greats of jazz and swing, but they enhance their live show with clever uses of natural and digital effects. Seated in front of the drum kit, I marveled at the selection of pedals skirting

*It's E.S.T.'s expansive landscaping of the sonic space that has gained them such a fan base. Not only do they pay homage to the late greats of jazz and swing, but they enhance their live show with clever uses of natural and digital effects.*

Oström's feet. Many of his drums were fitted with acoustic triggers, each routed to one of six pedals and then to a small mixer. In the middle of the second set, Oström resorted to tapping the snare with his knuckles, while modulating the pedals with his other hand and his feet. The sounds achieved weren't gimmicky or forced in any way — they were just simply a reinforcement of the acoustic and natural possibilities of the snare.

So would E.S.T. play a straight acoustic show, with no electronics? Svensson's eyes drifted upwards, recalling a recent memory. He crossed his legs and replied, "Well yeah — this tour we were late for our show in Germany. We didn't have time to set up the sound. We played a set completely acoustic, no effects." He later added that the effects are merely a "comple-

ment to the acoustic trio. It's about finding new sounds." At this point Berglund and Oström joined us,

placing themselves at an adjacent table. I was curious to find out when they started using effects. "Around 1993. Dan was the first to use a distortion pedal."

In addition to Dan's distortion pedals and Oström's delay units, Svensson captures his piano playing through two condenser mics, which run into a Line 6 Pod. He primarily uses the unit for amplifier modeling and subtle backing support to his chord arrangements. Svensson likened using the Pod to "adding a little perfume" to the music. What struck me most, though, was Svensson's daring move to play the piano while running a glass guitar slide over the piano strings. "I think I once saw Keith Jarrett do it. Or maybe heard of him doing it. Or maybe I just started doing it." His inspiration might be unclear, but the sound is ambitious nonetheless.

The E.S.T. live experience, as is the case with most bands who improvise, is riddled with surprises. A personal highlight for me during the second set was a stellar, almost 11-minute, performance of the song "Mingle in the Mincing Machine." The set opened with a title from the new album, *Tuesday Wonderland*, which included an improvised ambient section towards the end. Somewhere in the middle of the ambience and structured noise, Berglund's bass could be heard pulsating in and out of the opening to "Mingle." I immediately recognized it and started cheering. With no delay, the whole band plowed through the song.

You're average trio doesn't contain such freedom and equality amongst its members. Most piano trios, especially ones named after the piano player himself, are solely directed by the keys. However, E.S.T. operates differently. "If Dan wants to do a song, Dan does a song. We follow. He has that kind of authority in the band," said Svensson. Though it's *his* trio and *he* composes the music, it's truly a collaborative.

The experience of a spectacular live show, followed by an extremely comfortable and enlightening conversation with the band afterwards indicates to me that this is a group who truly cares about music. Their attention to the full breadth of their catalog (the second set contained only one new track), coupled with their desire to challenge each other sonically, invites listeners to enjoy what could quite possibly be the strongest working relationship in contemporary music today. While their music subverts all the recipes and formulas of pop music in the current era, E.S.T. continues to gain international renown. As Svensson himself put it, with every ounce of humility, "everyone always wants to hear [jazz] standards — but I think good old music will survive."

job well. That's right, I'm pointing at you J.D. Drew.

At the end of the tour, they sit you down in this nice wood paneled room and let you have some of the freshest, tastiest beer in the world. Everyone knows that beer on tap is better than bottled beer, but fresh beer on tap is just a world unto its own. Best of all, they let you try some experimental beers or one time beers that are absolutely extraordinary. We drank some sort of beer made to commemorate the 50th anniversary of the sailing of the second Mayflower replica or something ... yeah, whatever it was, it was complicated. The important thing was that the beer was awesome. It's so sad to think that I'll never have that beer again, but 'tis better to have tasted and lost than to have never tasted before. That's right, I'm thinking wistfully of you now, Sam Adams' Chocolate Bock of 2004.

For tour schedules and directions to the brewery, go to [http://www.samueladams.com/contact\\_tour.aspx](http://www.samueladams.com/contact_tour.aspx). Or better yet, program their number, (617) 522-9080, into your cell phone under the name Beer.

# Strawberry Jam Songs Fail to Come Together

Animal Collective, from Page 5

"For Reverend Green," which contains chugging, distorted guitars that call to mind a heart crushed by frustration and that same heart's only cure. "Now I think it's alright to feel inhuman now," Avey Tare screams hoarsely as if choking under the weight of his own anxieties.

Album highlight "Winter Wonderland" strongly hints at the masterpiece that could have been. Dense and delicious, it is one of the few songs that was specifically not road-tested over the past year but written during the recent "Jam" sessions. As such, the studio-born track is richly layered like a vibrant single from the "Feels" era. That was the kind of artistic progression I'd been pining for: a greater emphasis on pop melodies while maintaining their trademark surreal organic atmospherics. They hit a home run with the former, but excepting "Winter Wonderland," it was a swing and a miss with the latter.

Momentum-killing tracks like "Chores" and "Cuckoo Cuckoo" are sprinkled liberally with synthesized effects, but they only carry a semblance of depth and clog up the album's running order. The most tragic casualty on *Strawberry Jam*, however, is "Fireworks." When it debuted on tour almost two years ago, it carried a stunning vocal melody through waves of gorgeously icy echo that on the record are completely absent. It's almost heart-breaking to see such creative songs muddled by shallow, misguided production.

This is why *Strawberry Jam* is so maddening; it is the most consistently brilliant set of songs in Animal Collective's career, but as a whole it never takes shape or evokes any atmosphere. I know that's the kind of unverifiable, poo-hooing statement that people think music critics love to make, but I take no pleasure in this one. Without directly confessing to illegal downloading, I'll say that I've had several months with which to acquaint and reacquaint myself with these songs from every possible angle in the hope that the soul of *Strawberry Jam* would finally bloom and reveal itself. No luck.

Maybe the album didn't deserve to be dissected the way it did after it leaked. Drummer Panda Bear said in an interview that his greatest regret upon the leak was not the lost revenues, but that *Strawberry Jam* wouldn't be delivered to fans in the form and manner the band had intended. If you remember, listeners were initially stumped by Radiohead's "Kid A" when it snuck out piecemeal onto Napster. In the intervening years, that album has found its way onto countless top 10 lists: albums of the decade, albums to get depressed to, albums to woo Bexxley girls with ... So here's to hindsight — and the possibility that it someday will illuminate some obscure beauty in *Strawberry Jam*.

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CONCERT LISTINGS

October Shows

Friday, Oct. 5

Blitzen Trapper \*  
Middle East (Downstairs), 18+, \$12

Every member of the press and every member of the press’ dog has made a comparison between Blitzen Trapper and either Pavement or Neutral Milk Hotel. Though they fail to live up to either of the aforementioned greats, this is a neat act to check out, and I expect they’ll bring lots of energy to their live performance.

Caribou  
Middle East (Upstairs), 18+, \$10

No longer Manitoba, this appropriately Canadian band hits up Boston in support of their recent release *Andorra*, which at times sounds like it could have come out of the ’60s. Check out the gorgeous track “Melody Day” on their MySpace for a great example of these lo-fi rockers.

Sunday, Oct. 7

The Donnas  
Paradise Rock Club, 18+, \$15

What’s that lyric again? Forty boys in forty nights? This femme fatale foursome will surely play sultry punk-pop and maybe wear matching outfits. This show is recommended for aspiring male groupies.

Thursday, Oct. 11

Hot Hot Heat  
Paradise Rock Club, 18+, \$19.50

Now graduated from the ever-so-catchy hit “Bandages,” Hot Hot Heat are making critics’ A-lists and touring in support of a brand new album of indie rock.

Friday, Oct. 12

!!! (aka Three Exclamation Points)  
Paradise Rock Club, 18+, \$15

It’s pronounced *chk-chk-chk*, but if you didn’t know that, you probably aren’t cool enough to get in. Just kidding. I’m sure you’re plenty cool. Attend if you like noisy disco funk with a heavy heap of rock thrown in.

Of Montreal  
Roxy, All Ages, \$20

This is an American indie pop band. Read: American. Titularly false, but enjoyable all the same.

Saturday, Oct. 13

Architecture in Helsinki  
Paradise Rock Club, 18+, \$15

Staff writer An dy Lee is a big fan of these Australian musicians, and staff writer Andy Lee knows his stuff. Last time they came through Boston they supported Clap Your Hands Say Yeah. Now they’ve hit it big, so arrive early to beat the crowds.

Friday, Oct. 19

Charles Bubeck  
Killian Hall (On Campus), Free

A jazz musician from Washington DC - and you don’t even have to take a bus.

Saturday, Oct. 20

Del tha Funkee Homosapien \*  
Middle East (Downstairs), 18+, \$22

Did you know he’s Ice Cube’s cousin? And also a blue cartoon ghost in animated band Gorillaz? Make sure to check out this far-from-main-stream MC, noted for his excellent lyricism.

Imperial Teen \*  
T.T. the Bear’s Place, 18+, \$15

They’re twice my age and playing way past my bedtime. You might remember them from the soundtrack to the semi-popular mid ’90s film “Jawbreaker”; re-remember tonight at a quarter past midnight.

Monday, Oct. 22

Art Brut  
Roxy, All Ages, \$20

So what if they’re opening for the (less talented) Hold Steady? In my book this night is all about Art Brut, top of the pops — British punk with an intelligent and snarky attitude that calls to mind a cleaned-up version of The Sex Pistols.

Blind Melon  
Harper’s Ferry, 18+, \$12

Blind Melon reunion tour minus Shannon Hoon. If you lived through the ’90s or have a taste for modern spins on classic rock, check out this show.

Wednesday, Oct. 24

Land of Talk  
T.T. the Bear’s Place, 18+, \$8

I saw these guys open for Menomena last spring which just about makes them golden in my book (and your newspaper). They play weird instruments and dress in cool outfits and you’ll want to be them. Oh, and Small Sins are playing that night, too, which is another reason to go, I guess.

Saturday, Oct. 27

Big D and the Kids Table  
Roxy, All Ages, \$15

You know you still secretly love ska. Bring out the kid in you and celebrate Halloween early at this show.

Sunday, Oct. 28

The Dead Trees  
Middle East (Upstairs), 18+, \$9adv/\$10dos

I recently interviewed Newton band The Craters, who play with this band’s drummer. They’ve just come off tour with Albert Hammond, Jr., so welcome them back to Boston at this end of October show.

— Jillian A. Berry and Sarah Dupuis

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# Head of the Zesiger



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**DATE:** FRIDAY, OCTOBER 19  
**TIME:** 2:00—4:00 PM  
**PLACE:** ZESIGER AQUATIC CENTER (W35)  
**PRIZES WILL BE AWARDED**  
**REGISTRATION BEGINS OCT. 1ST**

Visit our website at  
[web.mit.edu/zcenter/headofthezesiger](http://web.mit.edu/zcenter/headofthezesiger)  
for entry form, rules, award categories and  
design specifications



ERIC D. SCHMIEDL—THE TECH  
MIT hackers placed a model of the Sputnik satellite in Lobby 10 on Thursday to commemorate the 50th anniversary of the satellite's launch. The model emitted a beeping sound all day, similar to the signal transmitted by the satellite as it circled the world in 1957.

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STEVE HOWLAND—THE TECH

Thousands gather at the Red Sox rally held in Government Center on Oct. 1, 2007 in celebration of the Red Sox winning their first American League East pennant in 13 years. Lead band The Dropkick Murphys played a number of favorites, including “I’m Shipping Up to Boston.”

UA Finance Board Allocations for Summer and Fall 2007

Name of Group	Amount Received	Original Request	% Received of Request
African Internet Technology Initiative	\$370	\$370	100.00%
Alpha Phi Alpha	\$1,250	\$1,705	73.31%
American Medical Students Association	\$1,050	\$3,195	32.86%
American Red Cross Team and Network	\$981	\$1,346	72.88%
Anime Club	\$1,640	\$1,840	89.13%
Arnold Air Society	\$304	\$404	75.25%
Asian American Assoc.	\$1,800	\$2,530	71.15%
Asian Baptist Student Koinonia	\$1,612	\$2,112	76.33%
Asian Christian Fellowship	\$1,080	\$1,480	72.97%
Assassins Guild	\$1,500	\$1,600	93.75%
Assoc. Puerto Rican Students	\$2,200	\$2,906	75.71%
Atheists, Agnostics, and Humanists	\$150	\$150	100.00%
ATS	\$2,300	\$4,285	53.68%
BE-BMS	\$1,640	\$4,545	36.08%
Best Buddies	\$300	\$415	72.29%
Bhangra Club	\$1,175	\$1,275	92.16%
Black Women's Alliance	\$1,475	\$1,510	97.68%
Brain and Cognitive Science Society	\$600	\$1,020	58.82%
Brain Trust	\$1,000	\$1,560	64.10%
Campus Crusade for Christ	\$1,460	\$3,660	39.89%
Caribbean Club	\$673	\$1,073	62.72%
Casino Rueda	\$800	\$1,150	69.57%
Caving Club	\$2,065	\$3,616	57.11%
Chamak	\$1,420	\$1,420	100.00%
Chess Club	\$660	\$860	76.74%
Chi Alpha Christian Fellowship	\$1,130	\$1,710	66.08%
Chinese Bible Fellowship	\$100	\$100	100.00%
Chinese Students Club	\$1,570	\$4,275	36.73%
Chorallaries	\$1,350	\$2,475	54.55%
Circle K	\$495	\$1,150	43.04%
Concert Band	\$1,773	\$1,773	100.00%
Counterpoint	\$1,769	\$4,171	42.41%
Cross Products	\$754	\$824	91.50%
Dance Troupe	\$260	\$2,510	10.36%
Debate	\$2,230	\$2,780	80.22%
DMC	\$1,852	\$1,852	100.00%

Name of Group	Amount Received	Original Request	% Received of Request
Dramashop	\$380	\$429	88.58%
EASE	\$350	\$350	100.00%
Filipino Students Association	\$1,134	\$1,914	59.25%
GaMIT	\$1,306	\$1,969	66.33%
Gilbert and Sullivan Players	\$1,039	\$1,414	73.48%
Gospel Choir	\$1,675	\$1,675	100.00%
Group 0	\$0	\$0	0.00%
Habitat for Humanity	\$1,025	\$1,025	100.00%
Hapa	\$850	\$1,280	66.41%
Hawaii Club	\$410	\$410	100.00%
Hillel	\$3,025	\$4,375	69.14%
Hindu Students Council	\$2,700	\$3,682	73.33%
Hippocratic	\$900	\$1,350	66.67%
Hong Kong Student Society	\$905	\$1,225	73.88%
Hunger Action Group	\$299	\$319	93.73%
Imobilare	\$1,008	\$1,068	94.38%
Japanese Society of Undergraduates	\$400	\$860	46.51%
Korean Students Association	\$1,600	\$3,180	50.31%
La Union Chicana Por Aztlan (LUCHA)	\$1,860	\$2,027	91.76%
Laboratory for Chocolate Science	\$1,170	\$1,170	100.00%
Latter-day Saint Student Association	\$0	\$1,260	0.00%
Lecture Series Club	\$3,500	\$3,500	100.00%
Lion Dance	\$535	\$560	95.54%
Logarhythms	\$650	\$1,650	39.39%
MAES	\$800	\$3,050	26.23%
Marching Band	\$1,355	\$1,355	100.00%
MAPS	\$1,736	\$2,389	72.67%
mitBEEF	\$770	\$1,470	52.38%
MIT-EMS	\$1,104	\$1,354	81.54%
Mocha Moves	\$892	\$892	100.00%
Mock Trial	\$1,208	\$2,508	48.17%
Model UN	\$1,010	\$2,393	42.21%
Movements in Time	\$325	\$325	100.00%
MTG	\$942	\$3,104	30.35%
MURJ	\$2,350	\$2,450	95.92%
Muses	\$950	\$950	100.00%
National Society of Black Engineers	\$1,105	\$1,805	61.22%

Name of Group	Amount Received	Original Request	% Received of Request
National Society of Collegiate Scholars	\$1,100	\$1,665	66.07%
Natya	\$790	\$1,190	66.39%
Oori	\$940	\$1,150	81.74%
OrigaMIT	\$65	\$65	100.00%
Pagan Students Group	\$110	\$110	100.00%
PaksMIT	\$1,705	\$2,475	68.89%
Pershing Rifles C-12	\$793	\$793	100.00%
Pro-Life	\$430	\$430	100.00%
Protestant Student Community	\$400	\$400	100.00%
Quiz Bowl Team	\$900	\$1,300	69.23%
Qwills	\$720	\$870	82.76%
Resonance	\$1,550	\$2,775	55.86%
Science Fiction Society	\$940	\$990	94.95%
SEDS	\$700	\$1,050	66.67%
Shakespeare Ensemble	\$990	\$1,940	51.03%
Share a Vital Earth (SAVE)	\$550	\$700	78.57%
Society for Creative Anachronism	\$220	\$220	100.00%
South Asian American Students (SAAS)	\$1,485	\$1,785	83.19%
Student Juggling Club	\$715	\$715	100.00%
Students for Israel	\$1,025	\$2,600	39.42%
SUMA	\$950	\$3,720	25.54%
Techiya	\$925	\$1,110	83.33%
Toons	\$740	\$840	88.01%
Undergraduate Biochemistry Assoc.	\$650	\$770	84.42%
Victory Campus Ministries	\$310	\$310	100.00%
Vietnamese Students Association	\$1,100	\$1,800	61.11%
VooDoo Magazine	\$1,750	\$1,750	100.00%
Western Hemisphere Project	\$1,150	\$1,150	100.00%
Women's Rugby	\$0	\$1,200	0.00%
Average	\$1,057	\$1,630	73.00%
Total	\$108,816	\$166,257	—

SOURCE: UNDERGRADUATE ASSOCIATION FINANCE BOARD

Funding allocations for the Summer/Fall 2007 period took place in April and May. Appeals to the Undergraduate Association Finance Board to request additional funding were accepted last month.



# The Ig Informal Lectures

Saturday, October 6, 1:00 pm  
MIT 10-250, 77 Mass. Ave., Camb.

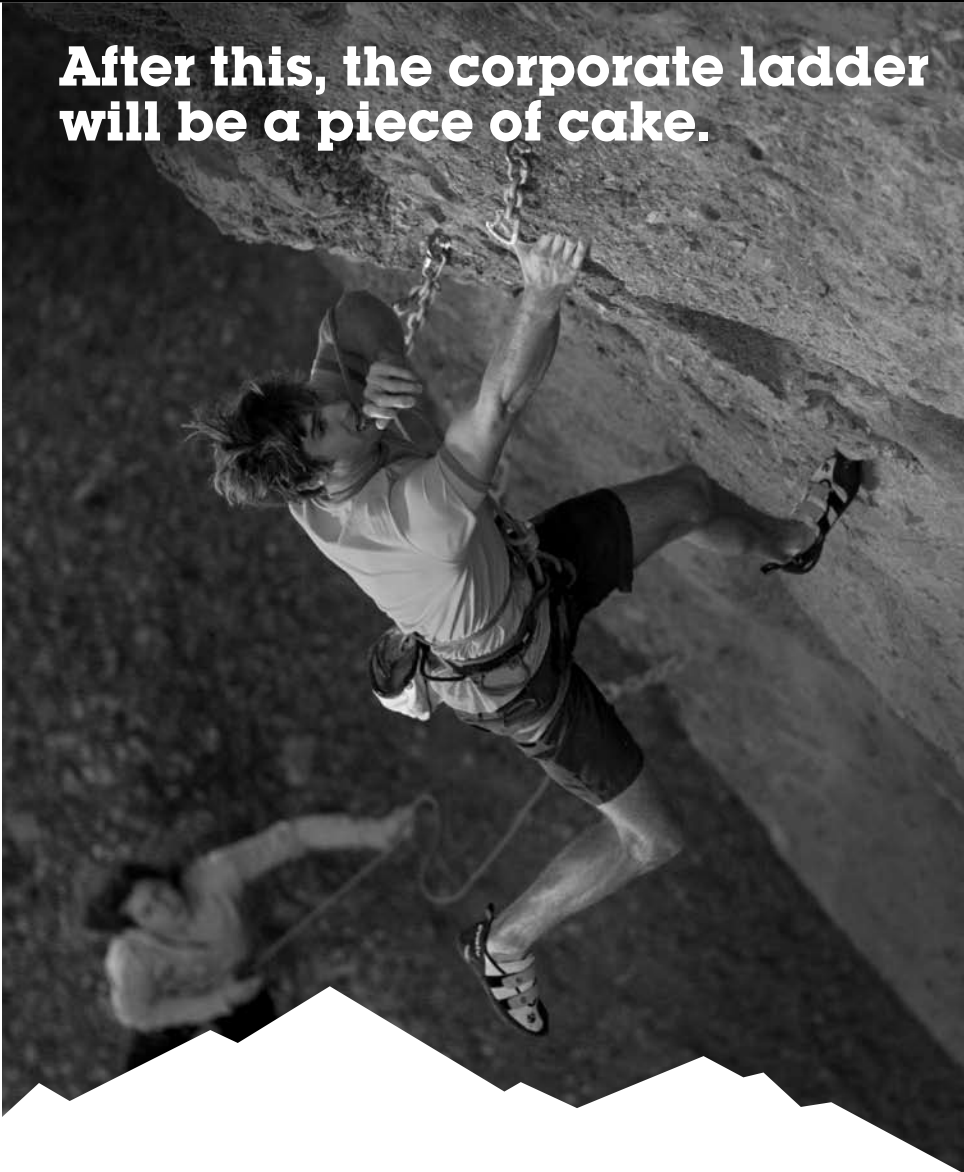
The MIT Press Bookstore is proud to host **The 2007 Ig Informal Lectures** here on the MIT campus. Please join us for a half-afternoon of improbably funny, informative, brief (5 minutes each, plus a few questions & answers with the audience), high-spirited public lectures, in which the new Ig Nobel Prize winners will attempt to explain what they did, and why they did it.

The new winner's talks will be preceded by brief (2 minutes each) talks by past winners Kees Moeliker (Ig Nobel Biology Prize 2003); Gauri Nanda, Lynn Halpern and Randolph Blake; and Francis Fesmire; and by Guelph University adventurer/food scientist Massimo Marcone. Each will discuss their most recent discoveries.

For more information on the 2006 Ig Nobel Prize Ceremony and the Ig Informal Lectures, please visit: <http://www.improbable.com/>

All Ig Nobel Prize activities are organized by the Annals of Improbable Research.  
This free event is organized in cooperation with the MIT Press Bookstore.

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# Previous Ig Winners Return for Ceremony

**Ig Nobel**, from Page 1

fungi, and other things with whom people share their bed at night. Van Bronswijk proceeded to explain in excruciating and uncomfortable detail the mites currently crawling in the seat cushions of the Sanders Theatre and left everyone with the reminder that “you never sleep alone.”

To the audience's delight, several past Ig Nobel Prize winners returned to join this year's ceremony, including 2006 winner in medicine Francis M. Fesmire, best known for his research on the “Termination of Intractable Hiccups with Digital Rectal Massage,” and MIT graduate Gauri Nanda '05, winner of the Ig Nobel economics prize in 2005 for her invention of “Clocky” — an alarm clock that runs away and hides, forcing its owner to actually get out of bed to turn it off. Also from MIT, Nobel laureate Robert B. Laughlin PhD '79, appeared at the ceremony as the featured prize in the annual “Win-A-Date-With-A-Nobel-Laureate” Contest. Laughlin was described as be-

ing “shapely, sassy, and smarter than you” and one who “enjoys watching quasi-particles behave badly.”

Another tradition featured in this year's ceremony were the 24/7 lectures consisting of two parts, a 24-second technical description and a seven-word layman summary. Historian Jill Lepore's seven-word summary of history succinctly stated: “History is the study of dead people.” Nobel laureate William Lipscomb honored tonight's theme, “Chicken,” with his summary: “Chicken lays egg. It's a ‘Standing Ovation’.”

For the first time, the Ig Nobel paper airplane tradition by audience members was halted under security and safety concerns and could only be dumped en masse by show technicians. Also to many people's dismay, chicken flight was strictly prohibited.

The 2007 Ig Nobel Winners (and past winners) will be giving informal lectures tomorrow at 1 p.m. in 10-250. The lecture is free and open to the public. More information can be found at <http://www.improbable.com/>.



JESSICA WITCHLEY—THE TECH

Elephants march down Massachusetts Ave. Thursday morning on their way to the TD Banknorth Garden in Boston where they are to perform in the Ringling Bros. and Barnum & Bailey circus.



Before last weekend,  
the only thing he'd ever burned was a CD.

Although fire fighters do everything they can to prevent burns, more than 2.5 million burn injuries occur in North America each year. Most could be prevented. To learn more about our “Don't Get Burned” campaign, please visit [www.IAFFBurnFund.org](http://www.IAFFBurnFund.org).



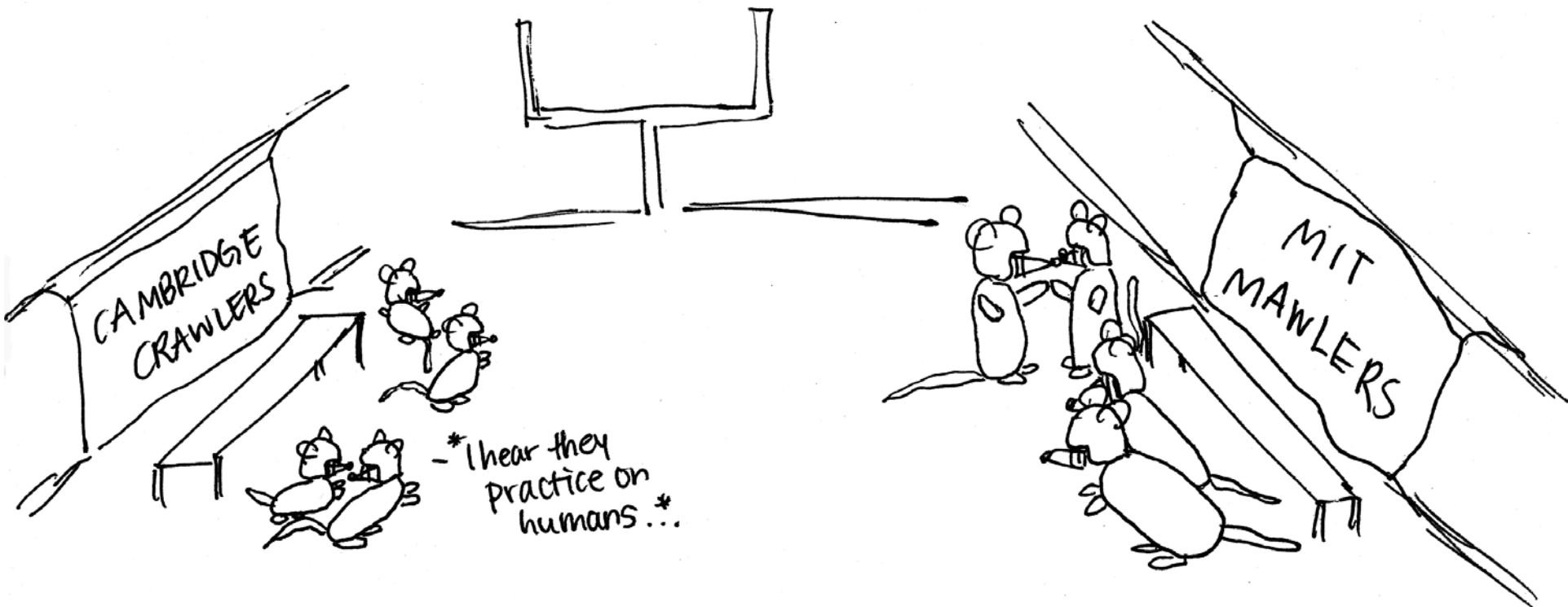
This message is brought to you by the International Association of Fire Fighters.  
**Harold A. Schaitberger**, General President





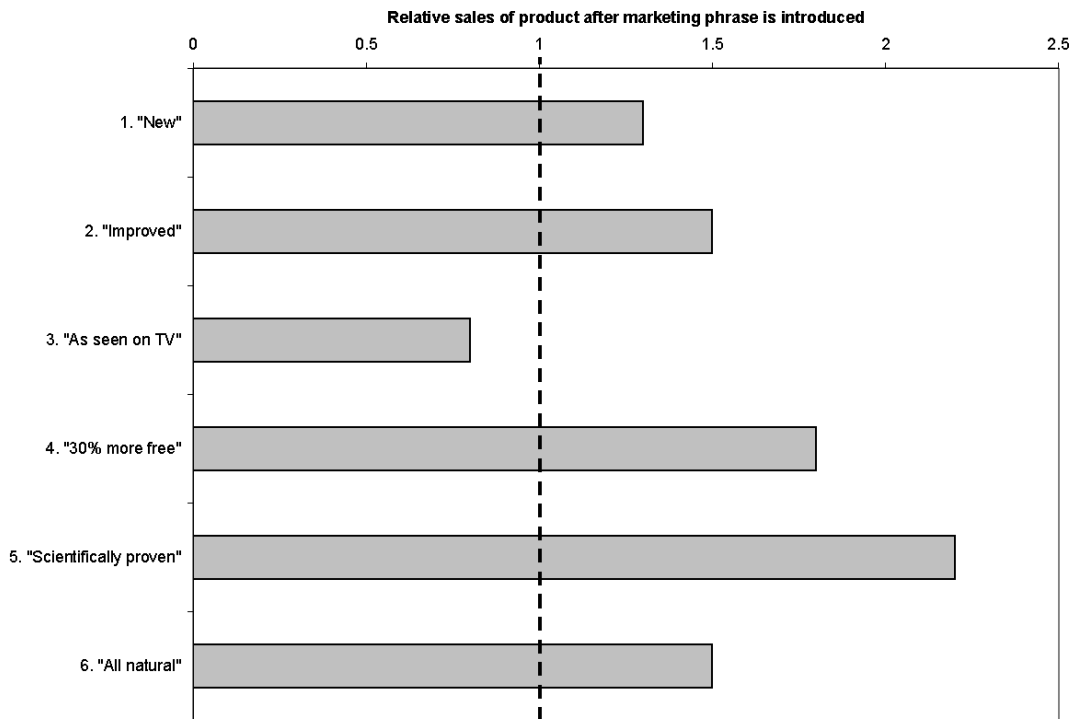
Simply Geometric

By: Danbee Kim



## Pseudoscience

by Daniel Klein-Marcuschamer



**Figure 16. Effect of marketing phrases in product sales.** The graph shows the change in sales after certain phrases are printed in the package. As observed from the relative sales, almost all phrases increase short-term profits. Caution must be used when a purchase is based on these phrases. Some relevant things to consider: “improved” may refer to the package, the speed of manufacturing, or any other metric that is irrelevant to the buyer; “30% more free” is not a good offer unless the price remains unchanged; “scientifically proven” is an insult without a ‘peer review’ and a ‘conflict of interest statement’; heroin and botulinum toxin are also “all natural”.

## Mad Science

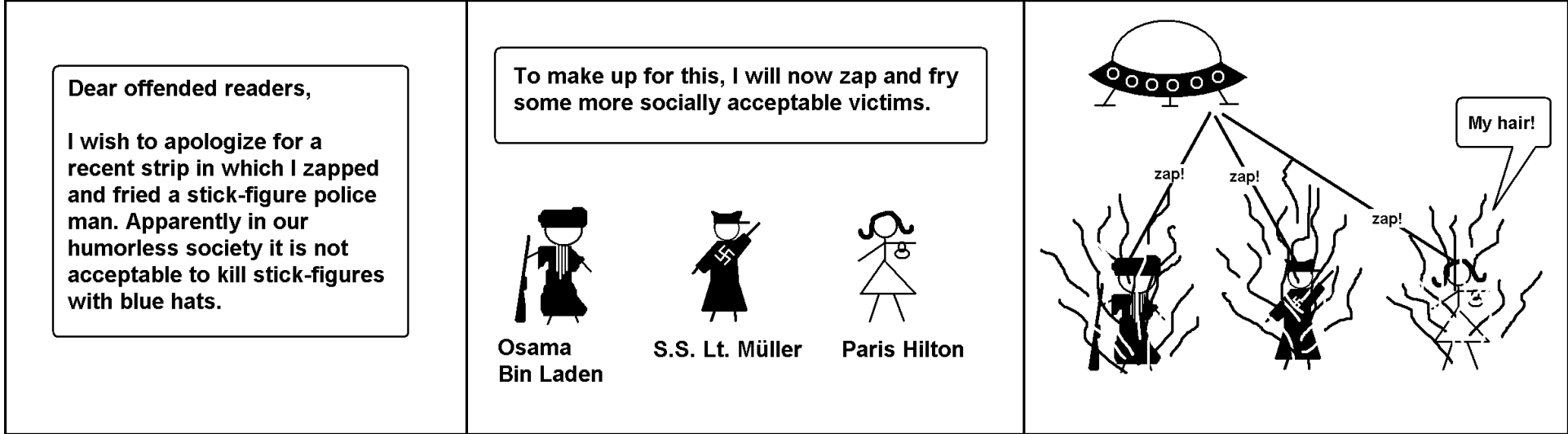
by Scott Berdahl



Before making it big as a major tourist attraction, the Grand Canyon worked the morning shift at a nearby Denny's.

## OVNI

by Roxana Safipour



MCMXVI

by R Perez-Franco

Annual membership fee for joining Zip Car:

\$25 on my MasterCard

Rental fee for 3 hours of Zip Car:

\$28 on my MasterCard

Insurance deductible I had to pay because some jerk hit the bumper of the Zip Car - and left no note - when it was correctly parked on Mass Ave, scratching the paint, while I was away hunting for bargain \$1 literature books in the Salvation Army:

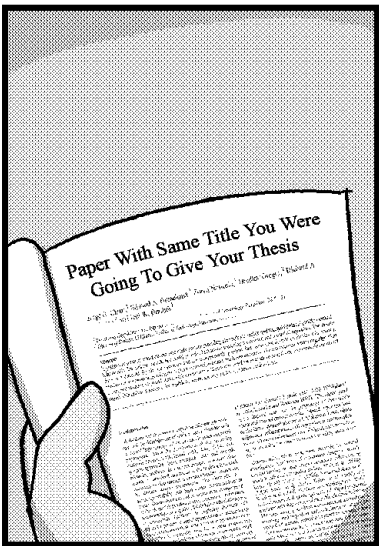
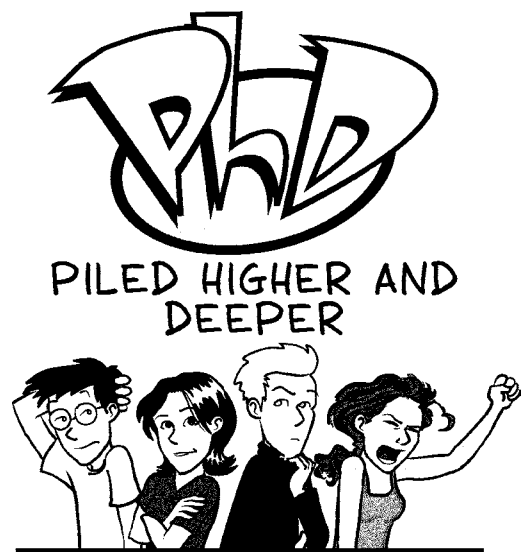
\$445 on my (already broke) MasterCard

Swearing by Jupiter never again to use Zip Car while I am alive:

Priceless!

2007-Oct-03

mcmxvi.com



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**Crossword Puzzle**

Solution, page 15

**ACROSS**

1 Lots of land

6 Tune

10 Slope runners

14 Flash of reflected light

15 Explorer Heyerdahl

16 Printer's measure

17 Extent covered

18 Shortened bullets?

19 Water pitcher

20 Start of Evan Esar quip

23 Urban RRs

24 Aachen article

25 Besmirch

28 Wild guess

31 LDS part

36 Mispickel and feldspar

38 Fencer's foil

40 Dry-heat bath

41 Part 2 of quip

44 Online letters

45 Frank Herbert novel

46 Withered

47 Help wanted word?

49 Gull cousin

51 Comic Skelton

52 Astronaut Jemison

54 Ref. set member

56 End of quip

65 Den

66 Created

67 Total

68 Bear in the sky

69 Idyllic place

70 Sufficiently polite

71 Emulate a beaver

72 What's left

73 Opponent

**DOWN**

1 Taj Mahal locale

2 Attired

3 City on the Truckee

4 Two under par

5 Odors

6 Lead actress

7 Resistance units

8 Perpetual traveler

9 Kowtow

10 Risked getting a ticket

11 Fruit with green pulp

12 Freezes

13 Actress Gilbert

21 Fall bloomer

22 Clear the blackboard

25 Dial-up device

26 Odor

27 Pass along

29 Mimicked

30 Humdinger

32 Small boys

33 Edible root

34 Accustom

35 X- or R-follower

37 Finished a steal

39 Sea eagle

42 Dollar rental rival

43 Brazenness

48 Whine

50 Newbie

53 Keep clear of

55 Russian ruler

56 Wallop

57 Bring home the bacon

58 Kudrow of "Friends"

59 Sketch

60 Fateful day for

Caesar

61 Smallest part of a buck

62 Engage in a diatribe

63 Slight of build

64 Compatriot

1	2	3	4	5	6	7	8	9	10	11	12	13		
14					15				16					
17					18				19					
20					21				22					
23					24									
25	26	27		28		29	30		31		32	33	34	35
36			37		38			39		40				
41				42					43					
44					45					46				
47					48		49			50		51		
				52		53			54		55			
56	57	58	59				60	61			62	63	64	
65						66				67				
68						69				70				
71						72				73				

**su | do | ku**

© Puzzles by Pappocom

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Solution on page 11.


Solution, tips, and computer program at <http://www.sudoku.com>

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BY GARRY TRUDEAU

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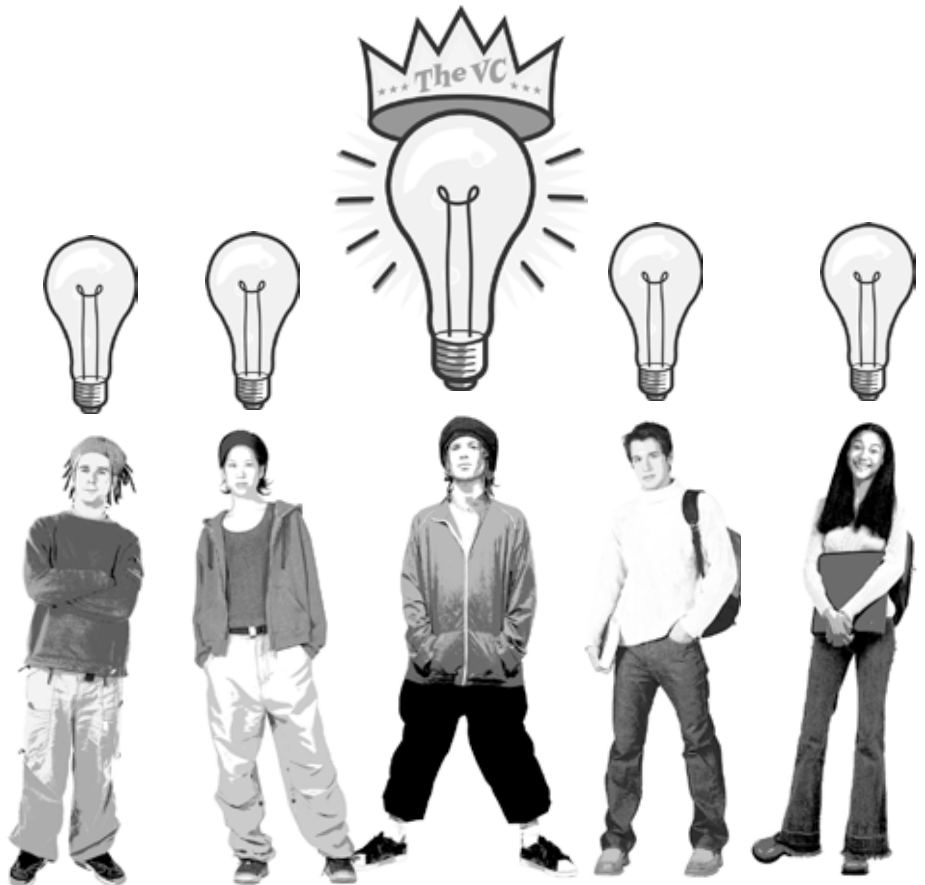
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# Seniors Field, Arsenault Earn ICSA All-Academic Team Spots

**Sailing**, from Page 16

lane Trophy this weekend.

**Seniors named to All-Academic Team**

A-Division skipper John M. “Jack” Field ’08 and crew Julie C. Arsenault ’08, two of MIT’s long-standing talents on the water, were named to the Inter-Collegiate Sailing Association All-Academic Team. Field was awarded First Team honors, while Arsenault made the Second Team. The All-Academic Team award honors outstanding male and female scholar athletes who have succeeded at the highest level in the sport and in the classroom.

Field, the perennial leader of Tech’s outstanding sailing cast, is majoring in Aeronautics and Astronautics and has a GPA of 4.8 out of 5.0. Arsenault, the gifted second-in-command, is majoring in Mechanical and Ocean Engineering and has a perfect

5.0 GPA. Both honorees, who hail from Connecticut — Field from Norwalk, and Arsenault from Thompson — were nominated by MIT for their academic and athletic performances during the 2006–2007 academic year.

“Both these individuals have met a certain balance between sailing on a competitive team and academic excellence, and they reflect great credit upon the collegiate sailing community,” said ICSA Secretary Capt. Eric Wallischek.

Field and Arsenault were also two of the main reasons that MIT earned its No. 10 slot in the Sailing World College preseason rankings this fall.

The 2007 ICSA All-Academic Team recognizes 10 First Team and 10 Second Team student-athletes who maintained a cumulative GPA of 3.5 on a scale of 4.0, contributed as a key starter or reserve member on their school’s sailing team, and reached junior standing at his or her university.

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**Solution to Crossword**  
from page 13

A	C	R	E	S	S	O	N	G	S	K	I	S
G	L	E	A	M	T	H	O	R	P	I	C	A
R	A	N	G	E	A	M	M	O	E	W	E	R
A	D	O	L	L	A	R	S	A	V	E	D	I
E	L	S	D	E	R							
M	A	R	S	T	A	B	L	A	T	T	E	R
O	R	E	S	E	P	E	E	S	A	U	N	A
D	O	L	L	A	R	E	A	R	N	E	D	B
E	M	A	I	L	D	U	N	E	S	E	R	E
M	A	Y	D	A	Y	T	E	R	N	R	E	D
S	E	L	D	O	M	V	I	C	E	V	E	R
L	A	I	R	M	A	D	E	I	N	A	L	L
U	R	S	A	E	D	E	N	C	I	V	I	L
G	N	A	W	R	E	S	T	E	N	E	M	Y

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SPORTS

Ludlum's Goal Leads MIT to Shutout Win

**By Caroline Huang**  
*SPORTS EDITOR*

The MIT women's soccer team defeated Clark University 1-0 on Tuesday afternoon at Steinbrenner Stadium, scoring its only goal on an Amy S. Ludlum '08 shot just 31 seconds into the game. Though the statistics sheet credited Jean E. "Liz" Theurer '10 as providing the only assist, Ludlum also received a boost from a strong wind that fortified her 35-yard shot. What looked to be an easy save for Cougars goalkeeper Joanna Clark turned into an unexpected game-winner.

The victory improved MIT's record to 7-3-0 overall and 2-1-0 in the New England Women's and Men's Athletic Conference, good for a second-place tie in the NEW-MAC standings. Ludlum's goal was her conference-leading 14th of the year and tied her for an even more impressive feat: MIT's all-time record for career goals (48). With six regular-season games and the NEW-MAC tournament still remaining, Ludlum seems a good bet to break the record.

MIT and Clark (4-5-2, 1-2-0

NEWMAC) has had a history of close games, as the last five games had been determined by one-goal margins. After Ludlum's quick strike, the Engineers and Cougars continued the tradition by splitting possession time evenly.

One of the game's themes was Ludlum blasting strong left-footed crosses that her teammates were unable to put away. On several occasions, her crosses actually bounced through the penalty box. Another trend was Tech goalkeeper Stephanie V. Brenman '09 dominating the air and snaring Clark corner kicks en route to recording a shutout.

Both teams wasted scoring opportunities. The prettiest play of the game resulted after Theurer's pass to Ludlum in the 82nd minute. Ludlum raced down the left flank, launching a shot to the far post that appeared to be a sure goal. However, Clark dove sideways, managing to turn away the ball with her left hand that led to an uneventful Tech corner kick.

The Cougars' best chance was midfielder Kari Mruz's shot in the 75th minute, which had Brenman beat but just barely cleared the crossbar. Clark also put plenty of pressure on the Engineers' defense for the last



**Karen M. Davie '08 fights for the ball during the Engineer's game versus Clark University on Tuesday, Oct. 2. MIT won 1-0.**

five minutes in launching a few dangerous shots, but to no avail.

Tech will travel to New London, Conn. for today's conference match against Coast Guard, which starts at 7:30 p.m.

Sailing Triumphs In Regatta And Earns Awards

**By Mike Stoller**  
*DAPER STAFF*

The MIT sailing team experienced a wealth of good fortune in the past week, winning the Smith Trophy and earning recognition from the Inter-Collegiate Sailing Association for two team members.

**Team wins trophy regatta**

After placing in the top five in 15 of 30 rounds, host MIT finished first out of 28 teams at the Smith Trophy this past weekend. It marked the first time this fall that the Engineers won a trophy regatta.

A-Division skipper Jacob M. Muhleman '08 and crew Desiree D. Amadeo '11 finished first four times, while also taking a pair of second-place marks during the two-day event. The duo finished first overall after 15 races in the higher group.

In B-Division, which also went 15 rounds, skipper Joshua C. Leighton '10 and crews Gina E. Fridley '09 and Victoria E. Lee '10 took four third-place slots and finished second once. The trio placed third overall in the lower circuit.

"It was a huge win for senior Jake Muhleman," head coach Matt Cohen said. "He has been sailing great this year, with freshman crew Desiree Amadeo. They've been working hard in practice and are really coming together well as a team. Jake's got a great feel for the typically tricky Charles River conditions, and this is a great win for Jake against a talented field. Sophomore Josh Leighton sailed well also."

Amid a sun-splashed day along the Charles River, Tech's quintet fought off tricky and shift conditions with a northerly breeze of 8-12 knots on Saturday. Then, with a bit of haze seeping in on Sunday, the Cardinal and Gray battled a northeast wind that swung to the east at 7-10 knots.

Overall, MIT finished with a score of 189, beating out Brown University and neighboring Tufts University by nine and 13 points, respectively.

Tech also finished 11th out of 14 teams at the Women's Regis Bowl at Boston University. Yale University won the two-day event with a score of 96.

MIT will host the Sir Ian MacFar-

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Volleyball Wins Tufts Tourney; Rowe Named MVP

**By Mindy Brauer**  
*DAPER STAFF*

The MIT women's volleyball team was crowned champion of the 2007 Tufts University Invitational this past Saturday. Both the Engineers and Wellesley College finished the two-day tournament with 4-0 records, but MIT was

awarded the title because its 12-1 record in games played was stronger than Tufts' 12-5 ledger. Katherine C. Rowe '10 was named the Tournament MVP, while Amanda J. Morris '08 was selected to the All-Tournament Team.

The Engineers (19-1) began the weekend with a 30-20, 30-26, 30-12 victory over Bridgewater State College. For Morris, three was the

magic number as she notched 33 assists, three aces, three blocks, and three digs. Barden E. Cleeland '10 led the way with 12 kills on 19 attempts and one error for a .579 hitting percentage to go along with a team-high four blocks. Rowe tallied nine digs and four aces, while Jennifer Li '11 contributed 11 kills and three aces. Rose Zhong '08 anchored the defense with 14 digs, followed

by 10 from Carrie C. Buchanan '08. Lindsay E. Hunting '09 chipped in three aces.

Rowe and Cleeland both recorded 13 kills, with hitting percentages of .667 and .550, respectively, in MIT's 30-26, 30-22, 30-18 win over the State University of New York in Brockport. Katrina M. Ellison '10 and Li each posted eight kills, while Ellison tallied four blocks and Li notched four aces. Defensively, Buchanan paced the Engineers with 16 digs, and Cleeland collected three blocks. Morris finished the night with 29 assists and eight digs.

In Saturday's opener against Elizabethtown College, which the Engineers won 30-23, 30-21, 30-25, Rowe rattled off 12 kills, five blocks, and a hitting percentage of .478. Zhong and Ellison each tallied eight kills, with Zhong collecting a team-high 16 digs. Buchanan recorded 12 digs, as Cleeland contributed four blocks and three aces. Morris posted her first double-double of the day on 40 assists and 10 digs in addition to four blocks.

Ellison had one of the best outings of her career as she registered 16 digs, 14 kills, a .303 hitting percentage, seven aces, and six blocks against Tufts in a 32-34, 30-25, 30-19, 30-19 victory. Rowe chipped in 12 kills and six blocks, while Li bolstered the front row's total with 12 kills. Buchanan led MIT's defense with 23 digs, followed by 18 from Zhong, as Cleeland collected nine blocks. Morris wrapped up the weekend with 44 assists, 15 digs, and six blocks.

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UPCOMING HOME EVENTS

<b>Saturday, Oct. 6, 2007</b>	
Sailing, Sir Ian MacFarlane Trophy	9 a.m., Charles River
Football vs. Curry	12 p.m., Steinbrenner Stadium
Field Hockey vs. Springfield College	1 p.m., Jack Barry Field
Men's Soccer, The Thomas Theurkauf Memorial Alumni Game	1 p.m., Briggs Field
<b>Sunday, Oct. 7, 2007</b>	
Sailing, Sir Ian MacFarlane Trophy	9 a.m., Charles River
<b>Tuesday, Oct. 9, 2007</b>	
Field Hockey vs. Wellesley	4 p.m., Jack Barry Field
Women's Tennis vs. Brandeis	4 p.m., duPont Tennis Courts
<b>Wednesday, Oct. 10, 2007</b>	
Men's Tennis vs. Bentley	4 p.m., duPont Tennis Courts
<b>Thursday, Oct. 11, 2007</b>	
Women's Volleyball vs. Keene State	7 p.m., Rockwell Cage